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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	PATENT APPLICATION
)	
Inventors: Wei Pan, Jer-Shen Maa,)	
David R. Evans and Sheng)	
Teng Hsu)	
)	
Serial No.: Not Yet Assigned)	Attorney Docket No.
)	SLA 0493
Filed: Herewith)	
)	
Title: METHOD OF BARRIER METAL)	
SURFACE TREATMENT PRIOR)	
TO Cu DEPOSITION TO)	
IMPROVE ADHESION AND)	
TRENCH FILLING)	
CHARACTERISTICS)	
)	

POWER OF ATTORNEY BY ASSIGNEE

Sharp Laboratories of America, Inc., a corporation of the State of Washington, Assignee of the entire right, title and interest in and to the above-identified patent application by an assignment document filed herewith, hereby appoints David C. Ripma, Reg. No. 27,672, Matthew D. Rabdau, Reg. No. 43,026 and Scott C. Krieger, Reg. No. 42,768, as its attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith; said appointment to be to the exclusion of the inventor and the inventor's attorneys in accordance with the provisions of 37 C.F.R. §3.71.

Pursuant to 37 C.F.R. §3.73(b) the undersigned submits herewith the original of an assignment document from the inventor or inventors to

Assignee, together with a cover sheet and the fee for recording same. The assignment has been reviewed and, to the best of the undersigned's knowledge and belief, title is in the Assignee. The undersigned, whose title is supplied below, is empowered to sign this power of Attorney on behalf of the Assignee.

Please direct all correspondence connected with this application to:

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Assignee:

Sharp Laboratories of America, Inc.

By: 
Title: President & CEO

Date: 3/28/01